

Tapan Kumar Saha

List of Publications by Year in descending order

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449
papers

13,718
citations

34105

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459
docs citations

459
times ranked

7734
citing authors

#	ARTICLE	IF	CITATIONS
1	Localisation of Partial Discharge in Power Cables Through Multi-Output Convolutional Recurrent Neural Network and Feature Extraction. IEEE Transactions on Power Delivery, 2023, 38, 177-188.	4.3	4
2	Privacy-Preserving Probabilistic Voltage Forecasting in Local Energy Communities. IEEE Transactions on Smart Grid, 2023, 14, 798-809.	9.0	12
3	IIoT-Enabled Health Monitoring for Integrated Heat Pump System Using Mixture Slow Feature Analysis. IEEE Transactions on Industrial Informatics, 2022, 18, 4725-4736.	11.3	15
4	Identification of Partial Discharge Through Cable-Specific Adaption and Neural Network Ensemble. IEEE Transactions on Power Delivery, 2022, 37, 1598-1607.	4.3	5
5	Risk-Based Contingency-Constrained Optimal Power Flow With Adjustable Uncertainty Set of Wind Power. IEEE Transactions on Industrial Informatics, 2022, 18, 996-1008.	11.3	15
6	Control algorithms to mitigate the effect of uncertainties in residential demand management. Applied Energy, 2022, 306, 117971.	10.1	5
7	A Risk Assessment for Utilities to Prevent Transformer OLTC Failures Caused by Silver Sulphide Corrosion. IEEE Transactions on Power Delivery, 2022, 37, 2394-2402.	4.3	4
8	Prosumer-Driven Voltage Regulation via Coordinated Real and Reactive Power Control. IEEE Transactions on Smart Grid, 2022, 13, 1441-1452.	9.0	8
9	Topology Detection in Power Distribution Networks: A PMU Based Deep Learning Approach. IEEE Transactions on Power Systems, 2022, 37, 2771-2782.	6.5	6
10	Consumption Scenario-Based Probabilistic Load Forecasting of Single Household. IEEE Transactions on Smart Grid, 2022, 13, 1075-1087.	9.0	10
11	Multifractal Characterization of Distribution Synchrophasors for Cybersecurity Defense of Smart Grids. IEEE Transactions on Smart Grid, 2022, 13, 1658-1661.	9.0	4
12	Thermal Analysis of Natural Cooling Type Distribution Transformer Retrofilled With Natural Ester Oil. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, 29, 231-239.	2.9	12
13	Voltage control loss factors for quantifying DG reactive power control impacts on losses and curtailment. IET Generation, Transmission and Distribution, 2022, 16, 2049-2062.	2.5	4
14	Authenticating source information of distribution synchrophasors at intra-state locations for cyber-physical resilient power networks. International Journal of Electrical Power and Energy Systems, 2022, 139, 108009.	5.5	5
15	On recognition of multiple power quality disturbance events in electricity networks. IET Generation, Transmission and Distribution, 2022, 16, 1697-1713.	2.5	4
16	A framework for participation of prosumers in peer-to-peer energy trading and flexibility markets. Applied Energy, 2022, 314, 118907.	10.1	25
17	Coordination of resources at the edge of the electricity grid: Systematic review and taxonomy. Applied Energy, 2022, 318, 119188.	10.1	15
18	Experimental Study on Partial Discharge Inception Voltage of Pressboard-Enclosed Void at Different Frequencies From the Perspective of the First Partial Discharge Time Lag. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, 29, 1382-1391.	2.9	1

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19	Transactive energy for low voltage residential networks: A review. <i>Applied Energy</i> , 2022, 323, 119556.	10.1	13
20	An Excessive Tap Operation Evaluation Approach for Unbalanced Distribution Networks With High PV Penetration. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 169-178.	8.8	11
21	Scaling Up Cooperative Game Theory-Based Energy Management Using Prosumer Clustering. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 289-300.	9.0	18
22	Extraction of Dynamic Frequency Response Characteristics and Modelling of Modern Air Conditioners. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 897-900.	9.0	5
23	Classification and Visualization of Power Quality Disturbance-Events Using Space Vector Ellipse in Complex Plane. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 1380-1389.	4.3	27
24	Online Rolling Evolutionary Decoder-Dispatch Framework for the Secondary Frequency Regulation of Time-Varying Electrical-Grid-Electric-Vehicle System. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 871-884.	9.0	18
25	Peer-to-peer energy systems for connected communities: A review of recent advances and emerging challenges. <i>Applied Energy</i> , 2021, 282, 116131.	10.1	265
26	Peer-to-peer energy platforms. , 2021, , 91-105.		0
27	Ageing Analysis of Solar Farm Inverter Transformers. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 3815-3824.	4.3	10
28	Estimation of the Shapley Value of a Peer-to-peer Energy Sharing Game Using Multi-Step Coalitional Stratified Sampling. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 1863-1872.	2.7	13
29	Investigation of Frequency Response in a Low Inertia Power System and its Improvement. , 2021, , .		0
30	A feasibility study of the 1.5-axis tracking model in utility-scale solar PV plants. <i>Solar Energy</i> , 2021, 216, 171-179.	6.1	8
31	Estimating State of Charge for xEV Batteries Using 1D Convolutional Neural Networks and Transfer Learning. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 3123-3135.	6.3	68
32	Multiscale design for system-wide peer-to-peer energy trading. <i>One Earth</i> , 2021, 4, 629-638.	6.8	14
33	Capturing Spatio-Temporal Dependencies in the Probabilistic Forecasting of Distribution Locational Marginal Prices. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 2663-2674.	9.0	18
34	Photovoltaic Nowcasting With Bi-Level Spatio-Temporal Analysis Incorporating Sky Images. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 1766-1776.	8.8	13
35	Source Authentication of Distribution Synchrophasors for Cybersecurity of Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4577-4580.	9.0	8
36	Coalition Graph Game-Based P2P Energy Trading With Local Voltage Management. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 4389-4402.	9.0	55

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37	Cooperative negawatt P2P energy trading for low-voltage distribution networks. Applied Energy, 2021, 299, 117300.	10.1	32
38	Roles of retailers in the peer-to-peer electricity market: A single retailer perspective. IScience, 2021, 24, 103278.	4.1	12
39	Control of Residential Air-conditioning Loads to Provide Regulation Services under Uncertainties. , 2021, , .		0
40	Electrical Tree Driven Breakdown of XLPE Under Step Stress Breakdown Test at Multiple Frequencies. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 2065-2073.	2.9	3
41	Call-options in Peer-to-Peer Energy Markets. , 2021, , .		0
42	Improving Predictability of Renewable Generation Through Optimal Battery Sizing. IEEE Transactions on Sustainable Energy, 2020, 11, 37-47.	8.8	29
43	A Novel Approach in Filter Design for Grid-Connected Inverters Used in Renewable Energy Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 154-164.	8.8	37
44	Capacity and Control Strategy Design of Isolated Micro-Grid With High Renewable Penetration. IEEE Transactions on Sustainable Energy, 2020, 11, 1173-1184.	8.8	19
45	Operational Modal Analysis of Transformer Windings. IEEE Transactions on Power Delivery, 2020, 35, 1285-1298.	4.3	28
46	Interruption of Low-Voltage DC Arc in Air Under Axial Magnetic Field. IEEE Transactions on Power Delivery, 2020, 35, 977-986.	4.3	5
47	Grid Influenced Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2020, 11, 1407-1418.	9.0	191
48	Data-Driven Photovoltaic Generation Forecasting Based on a Bayesian Network With Spatialâ€“Temporal Correlation Analysis. IEEE Transactions on Industrial Informatics, 2020, 16, 1635-1644.	11.3	38
49	Integrating P2P Energy Trading With Probabilistic Distribution Locational Marginal Pricing. IEEE Transactions on Smart Grid, 2020, 11, 3095-3106.	9.0	107
50	A coalition formation game framework for peer-to-peer energy trading. Applied Energy, 2020, 261, 114436.	10.1	104
51	System Strength and Inertia Constrained Optimal Generator Dispatch Under High Renewable Penetration. IEEE Transactions on Sustainable Energy, 2020, 11, 2392-2406.	8.8	27
52	Classification and Localization of Fault-Initiated Voltage Sags Using 3-D Polarization Ellipse Parameters. IEEE Transactions on Power Delivery, 2020, 35, 1812-1822.	4.3	9
53	Zonal Inertia Constrained Generator Dispatch Considering Load Frequency Relief. IEEE Transactions on Power Systems, 2020, 35, 3065-3077.	6.5	17
54	A data-driven approach to estimate battery cell temperature using a nonlinear autoregressive exogenous neural network model. Journal of Energy Storage, 2020, 32, 101879.	8.1	21

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55	Simulation of the thermal current interruption process of air-break interrupters for future mv application. <i>Electric Power Systems Research</i> , 2020, 182, 106264.	3.6	2
56	Detection of DG-islanding employing decision boundary of polarization ellipse parameters. <i>Electric Power Systems Research</i> , 2020, 188, 106536.	3.6	4
57	Challenges and prospects for negawatt trading in light of recent technological developments. <i>Nature Energy</i> , 2020, 5, 834-841.	39.5	35
58	Investigating passivator effectiveness for preventing silver sulfide corrosion in power transformer on-load tap changers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1761-1768.	2.9	7
59	Nodal and fixed price coexistence in distribution networks with optimal investment planning and tariff design. , 2020, , .		1
60	A Practical Health Index for Overhead Conductors: Experience From Australian Distribution Networks. <i>IEEE Access</i> , 2020, 8, 218863-218873.	4.2	9
61	Optimal Allocation of Synchronous Condensers in Wind Dominated Power Grids. <i>IEEE Access</i> , 2020, 8, 45400-45410.	4.2	25
62	A technique for fault detection, identification and location in solar photovoltaic systems. <i>Solar Energy</i> , 2020, 206, 864-874.	6.1	19
63	An uncertainty-aware deep reinforcement learning framework for residential air conditioning energy management. <i>Applied Energy</i> , 2020, 276, 115426.	10.1	59
64	Exploiting design thinking to improve energy efficiency of buildings. <i>Energy</i> , 2020, 197, 117141.	8.8	17
65	Peer-to-Peer Trading in Electricity Networks: An Overview. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 3185-3200.	9.0	464
66	A Distributed Inter-Phase Coordination Algorithm for Voltage Control With Unbalanced PV Integration in LV Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2687-2697.	8.8	44
67	Investigating the impact of P2P trading on power losses in grid-connected networks with prosumers. <i>Applied Energy</i> , 2020, 263, 114687.	10.1	61
68	Investigation of overall and local vibration characteristics of disk&Ctype windings. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 3685-3691.	2.5	6
69	Coordinated electric vehicle charging to reduce losses without network impedances. <i>IET Smart Grid</i> , 2020, 3, 677-685.	2.2	11
70	Regulated P2P Energy Trading: A Typical Australian Distribution Network Case Study. , 2020, , .		11
71	Advanced Online Moisture Measurements in Transformer Insulation Using Optical Sensors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1803-1810.	2.9	17
72	A Deep Unsupervised Learning Approach to PMU Event Detection in an Active Distribution Network. , 2020, , .		1

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73	On Sky Imaging Analysis and Deep Learning for Photovoltaic Output Nowcasting. , 2020, , .		0
74	Optimal Co-Allocation Plan of Dynamic Line Rating and FACTS for Wind Integration Considering Forecast Uncertainties. , 2020, , .		0
75	Improving Frequency Response of a Low Inertia Grid via an Appropriate Load Shedding Scheme. , 2020, , .		2
76	Incentivizing Prosumer Coalitions With Energy Management Using Cooperative Game Theory. IEEE Transactions on Power Systems, 2019, 34, 303-313.	6.5	167
77	Multiclass Energy Management for Peer-to-Peer Energy Trading Driven by Prosumer Preferences. IEEE Transactions on Power Systems, 2019, 34, 4005-4014.	6.5	321
78	Investigation of Distributed Moisture and Temperature Measurements in Transformers Using Fiber Optics Sensors. IEEE Transactions on Power Delivery, 2019, 34, 1776-1784.	4.3	23
79	An approach for fault detection and location in solar PV systems. Solar Energy, 2019, 194, 197-208.	6.1	38
80	Evaluating Various Battery Behaviours to Maximise Consumer Value Across the Electricity Supply Chain. , 2019, , .		0
81	Voltage regulation challenges with unbalanced PV integration in low voltage distribution systems and the corresponding solution. Applied Energy, 2019, 256, 113927.	10.1	53
82	Measurements on pressboard to understand the effect of solid insulation condition on monitoring of power transformer winding clamping pressure. IET Science, Measurement and Technology, 2019, 13, 186-192.	1.6	18
83	A motivational game-theoretic approach for peer-to-peer energy trading in the smart grid. Applied Energy, 2019, 243, 10-20.	10.1	255
84	Performance Evaluation of Fiber Optic Sensors to Measure Moisture in Transformer Insulation. , 2019, , .		1
85	Feasibility Study of Financial P2P Energy Trading in a Grid-tied Power Network. , 2019, , .		43
86	Incentivizing Prosumer Coalitions with Energy Management using Cooperative Game Theory. , 2019, , .		3
87	Deployment of Synchronous Condensers to Improve System Strength under High Wind Power Penetration. , 2019, , .		3
88	Hypothesis of Interfacial Charge Transportation in Oil-Paper Insulation for Transformer Moisture Estimation. , 2019, , .		1
89	Finite Element Analysis on On-load Tap Changer (OLTC) Tap Selector Electrical Breakdown Mechanism Caused by Silver Sulphide Corrosion. , 2019, , .		1
90	Investigation on Power Generation Valley of Single-Axis Tracking Arrays at a Solar PV Plant in Australia. , 2019, , .		1

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91	Improving the Scalability of a Prosumer Cooperative Game with K-Means Clustering. , 2019, , .		10
92	Investigations of silver sulfide formation on transformer OLTC tap selectors and its influence on oil properties. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1926-1934.	2.9	13
93	Distributed Control With Virtual Capacitance for the Voltage Restorations, State of Charge Balancing, and Load Allocations of Heterogeneous Energy Storages in a DC Datacenter Microgrid. IEEE Transactions on Energy Conversion, 2019, 34, 1296-1308.	5.2	31
94	A Customer Centric Approach to the Use of Residential Batteries for Distribution Network Support. IEEE Transactions on Smart Grid, 2019, 10, 5449-5457.	9.0	2
95	Designing Decentralized Markets for Distribution System Flexibility. IEEE Transactions on Power Systems, 2019, 34, 2128-2139.	6.5	137
96	Bilateral Contract Networks for Peer-to-Peer Energy Trading. IEEE Transactions on Smart Grid, 2019, 10, 2026-2035.	9.0	363
97	Real-Time Coordinated Voltage Support With Battery Energy Storage in a Distribution Grid Equipped With Medium-Scale PV Generation. IEEE Transactions on Smart Grid, 2019, 10, 3486-3497.	9.0	62
98	On Particle Filtering for Power Transformer Remaining Useful Life Estimation. IEEE Transactions on Power Delivery, 2018, 33, 2643-2653.	4.3	26
99	A stochastic integrated planning of electricity and natural gas networks for Queensland, Australia considering high renewable penetration. Energy, 2018, 153, 539-553.	8.8	33
100	Bayesian information fusion for probabilistic health index of power transformer. IET Generation, Transmission and Distribution, 2018, 12, 279-287.	2.5	25
101	The Anatomy of the 2016 South Australia Blackout: A Catastrophic Event in a High Renewable Network. IEEE Transactions on Power Systems, 2018, 33, 5374-5388.	6.5	190
102	Evaluation of the battery operation in ramp-rate control mode within a PV plant: A case study. Solar Energy, 2018, 166, 242-254.	6.1	10
103	Motivational Psychology Driven AC Management Scheme: A Responsive Design Approach. IEEE Transactions on Computational Social Systems, 2018, 5, 289-301.	4.4	27
104	Real-Time Coordinated Voltage Control of PV Inverters and Energy Storage for Weak Networks With High PV Penetration. IEEE Transactions on Power Systems, 2018, 33, 3383-3395.	6.5	149
105	Using peer-to-peer energy-trading platforms to incentivize prosumers to form federated power plants. Nature Energy, 2018, 3, 94-101.	39.5	540
106	A multi-stage transition toward high renewable energy penetration in Queensland, Australia. IET Generation, Transmission and Distribution, 2018, 12, 850-858.	2.5	11
107	PV module degradation analysis and impact on settings of overcurrent protection devices. Solar Energy, 2018, 160, 360-367.	6.1	45
108	Investigation Into Modeling Australian Power Transformer Failure and Retirement Statistics. IEEE Transactions on Power Delivery, 2018, 33, 2011-2019.	4.3	25

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109	A New Remote Tap Position Estimation Approach for Open-Delta Step-Voltage Regulator in a Photovoltaic Integrated Distribution Network. IEEE Transactions on Power Systems, 2018, 33, 4433-4443.	6.5	21
110	A Comprehensive Model to Integrate Emerging Resources From Supply and Demand Sides. IEEE Transactions on Smart Grid, 2018, 9, 3883-3896.	9.0	5
111	Modeling and Analysis of Open-Delta Step Voltage Regulators for Unbalanced Distribution Network With Photovoltaic Power Generation. IEEE Transactions on Smart Grid, 2018, 9, 2224-2234.	9.0	24
112	Control Strategies for Microgrids With Distributed Energy Storage Systems: An Overview. IEEE Transactions on Smart Grid, 2018, 9, 3652-3666.	9.0	307
113	Enhancing Damping Performance of Emerging Distribution Systems by Load Controller. IEEE Transactions on Smart Grid, 2018, 9, 3635-3642.	9.0	2
114	Model Predictive Control for Distributed Microgrid Battery Energy Storage Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 1107-1114.	5.2	114
115	Voltage Management for Large Scale PV Integration into Weak Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 4128-4139.	9.0	53
116	Investigation of Load Frequency Relief From Field Measurements and Its Impact on Contingency Reserve Evaluation. IEEE Transactions on Power Systems, 2018, 33, 567-577.	6.5	10
117	Minimum Synchronous Inertia Requirement of Renewable Power Systems. IEEE Transactions on Power Systems, 2018, 33, 1533-1543.	6.5	125
118	On Savitzky-Golay Filtering for Online Condition Monitoring of Transformer On-Load Tap Changer. IEEE Transactions on Power Delivery, 2018, 33, 1689-1698.	4.3	34
119	Scalable Energy Management for Low Voltage Microgrids Using Multi-Agent Storage System Aggregation. IEEE Transactions on Power Systems, 2018, 33, 1614-1623.	6.5	42
120	Analysis of Vibration Signal for Power Transformer On-Load Tap Changer (OLTC) Condition Monitoring. , 2018, , .		8
121	Cascading Contingencies in a Renewable Dominated Power System: Risk of Blackouts and Its Mitigation. , 2018, , .		6
122	Impact of Power Fluctuations on Voltage Variations for Remote Distribution Networks with High PV Penetrations. , 2018, , .		5
123	The Value of Reactive Power for Voltage Control in Lossy Networks. , 2018, , .		2
124	Challenges And Opportunities of Renewable Energy Integrations to National Grids. , 2018, , .		0
125	Analyzing Differences in Useful Life of Power Transformers across Utilities for Better Strategic Spares Management. , 2018, , .		3
126	System Strength and Weak Grids: Fundamentals, Challenges, and Mitigation Strategies. , 2018, , .		28

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127	Multi-stage co-optimization framework for electricity and natural gas under high renewable energy penetration. IET Generation, Transmission and Distribution, 2018, 12, 4284-4291.	2.5	20
128	Flexible Cooperative Game Theory Tool for Peer-to-Peer Energy Trading Analysis. , 2018, , .		5
129	Loss Induced Maximum Power Transfer in Distribution Networks. , 2018, , .		2
130	Constructing Prosumer Coalitions for Energy Cost Savings Using Cooperative Game Theory. , 2018, , .		20
131	Peer-to-Peer Energy Trading With Sustainable User Participation: A Game Theoretic Approach. IEEE Access, 2018, 6, 62932-62943.	4.2	154
132	Electrical Power Engineering Education Down Under: Australia and New Zealand Are Adding Energy to Their University Curricula. IEEE Power and Energy Magazine, 2018, 16, 64-73.	1.6	2
133	Internet of Things for Green Building Management: Disruptive Innovations Through Low-Cost Sensor Technology and Artificial Intelligence. IEEE Signal Processing Magazine, 2018, 35, 100-110.	5.6	105
134	Transforming Energy Networks via Peer-to-Peer Energy Trading: The Potential of Game-Theoretic Approaches. IEEE Signal Processing Magazine, 2018, 35, 90-111.	5.6	310
135	An improved spatial intersectional method for partial discharge (PD) source localization in power transformer. , 2018, , .		1
136	Design Innovation Approaches for Sustainable Smart Energy Systems. , 2018, , .		2
137	Measuring the Pressboard Water Content of Transformers Using Cellulose Isotherms and the Frequency Components of Water Migration. IEEE Transactions on Power Delivery, 2017, 32, 1314-1320.	4.3	14
138	A Joint Vibration and Arcing Measurement System for Online Condition Monitoring of Onload Tap Changer of the Power Transformer. IEEE Transactions on Power Delivery, 2017, 32, 1031-1038.	4.3	49
139	Condition monitoring of vegetable oil insulation in in-service power transformers: some data spanning 10 years. IEEE Electrical Insulation Magazine, 2017, 33, 44-51.	0.8	24
140	A review of the techniques used by utilities to measure the water content of transformer insulation paper. IEEE Electrical Insulation Magazine, 2017, 33, 8-16.	0.8	50
141	Customer-driven demand response model for facilitating rooftop PV and wind power integration. IET Renewable Power Generation, 2017, 11, 1200-1210.	3.1	22
142	Survey of Australian power transformer failures and retirements. IEEE Electrical Insulation Magazine, 2017, 33, 16-22.	0.8	37
143	A bottom-up approach for demand response aggregators' participation in electricity markets. Electric Power Systems Research, 2017, 143, 121-129.	3.6	105
144	Takagi-Sugeno fuzzy model-based approach considering multiple weather factors for the photovoltaic power short-term forecasting. IET Renewable Power Generation, 2017, 11, 1281-1287.	3.1	42

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145	A review on influencing factors of sulphur corrosion and metal passivation in power transformers. , 2017, , .		4
146	Finite element analysis to understand the mechanical defects in power transformer winding clamping structure. , 2017, , .		2
147	Understanding the effect of non-uniform ageing on dielectric response of transformer insulation. , 2017, , .		2
148	Cascading contingencies in low inertia power systems: Frequency response challenges and a potential solution. , 2017, , .		4
149	PDTools: A toolbox of partial discharge (PD) signal analysis for transformer condition assessment. , 2017, , .		0
150	Influence of moisture dependency of pressboard on transformer winding clamping pressure. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3191-3200.	2.9	16
151	Voltage regulation for distribution systems with Uneven PV integration in different feeders. , 2017, , .		4
152	Temperature dependent mechanical properties of pressboard in transformer winding structure. , 2017, , .		0
153	The impact of temperature on battery degradation for large-scale BESS in PV plant. , 2017, , .		6
154	Residential load variability and diversity at different sampling time and aggregation scales. , 2017, , .		3
155	Cooperative control of distributed heterogeneous energy storage devices with virtual impedance. , 2017, , .		5
156	Variability study of a utility-scale PV plant in the fringe of grid, Australia. , 2017, , .		14
157	Implications of synchronous generator withdrawal following renewable proliferation in South Australia. , 2017, , .		2
158	Model-driven real-time control coordination for distribution grids with medium-scale photovoltaic generation. IET Renewable Power Generation, 2017, 11, 1603-1612.	3.1	5
159	Master self-tuning VDCOL function for hybrid multi-terminal HVDC connecting renewable resources to a large power system. IET Generation, Transmission and Distribution, 2017, 11, 3341-3349.	2.5	27
160	Particle tracing modelling on moisture dynamics of oil-impregnated transformer. IET Science, Measurement and Technology, 2016, 10, 335-343.	1.6	7
161	Performance of Natural Ester as a Transformer Oil in Moisture-Rich Environments. Energies, 2016, 9, 258.	3.1	36
162	A novel signal extraction technique for online partial discharge (PD) measurement of transformers. International Transactions on Electrical Energy Systems, 2016, 26, 1032-1048.	1.9	7

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163	Multi-source information fusion for power transformer condition assessment. , 2016, , .		4
164	Cycle-life degradation assessment of Battery Energy Storage Systems caused by solar PV variability. , 2016, , .		24
165	Moisture and temperature effects on power transformer winding clamping pressure. , 2016, , .		4
166	Stochastic generation and transmission planning considering future renewable and gas opportunities in Queensland, Australia. , 2016, , .		1
167	Moisture-Dependent Thermal Modelling of Power Transformer. IEEE Transactions on Power Delivery, 2016, 31, 2140-2150.	4.3	51
168	Multi-physic modelling approach for investigation of moisture dynamics in power transformers. IET Generation, Transmission and Distribution, 2016, 10, 1993-2001.	2.5	16
169	Analysis of frequency domain dielectric response of pressboard insulation impregnated with different insulating liquids. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 2042-2050.	2.9	12
170	Post-retirement utilisation of synchronous generators to enhance security performances in a wind dominated power system. IET Generation, Transmission and Distribution, 2016, 10, 3314-3321.	2.5	52
171	Fundamental concepts of using water activity probes to assess transformer insulation water content. IEEE Electrical Insulation Magazine, 2016, 32, 9-16.	0.8	25
172	Investigation of non-synchronous penetration level and its impact on frequency response in a wind dominated power system. , 2016, , .		0
173	Low inertia power systems: Frequency response challenges and a possible solution. , 2016, , .		18
174	Evaluation of technical and financial benefits of battery-based energy storage systems in distribution networks. IET Renewable Power Generation, 2016, 10, 1149-1160.	3.1	80
175	Condition monitoring of a large-scale PV power plant in Australia. , 2016, , .		8
176	Investigation of voltage performance of an LV distribution network for improving rooftop photovoltaic uptake in Australia. , 2016, , .		4
177	Megawatt-scale solar variability study: an experience from a 1.2MWp photovoltaic system in Australia over three years. IET Renewable Power Generation, 2016, 10, 1229-1236.	3.1	27
178	Practical approach to facilitate photovoltaic integration in distribution systems. Journal of Engineering, 2016, 2016, 80-87.	1.1	1
179	Fault contribution from large photovoltaic systems in building power supply networks. Journal of Building Engineering, 2016, 5, 222-230.	3.4	6
180	A Time-Dependent Approach to Evaluate Capacity Value of Wind and Solar PV Generation. IEEE Transactions on Sustainable Energy, 2016, 7, 129-138.	8.8	42

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181	Current limiting impedance comparison between different designs of iron cores of the flux-lock type superconducting fault current limiter. IET Generation, Transmission and Distribution, 2016, 10, 548-554.	2.5	11
182	Two-Part Synthetic Test Procedures for the Testing of Medium-Voltage Load Break Switches. IEEE Transactions on Power Delivery, 2016, 31, 1645-1654.	4.3	1
183	Understanding the ageing aspects of natural ester based insulation liquid in power transformer. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 246-257.	2.9	82
184	Condition assessment of the electrical insulation in a high voltage current transformer using an oil/sand mix. IEEE Electrical Insulation Magazine, 2016, 32, 14-20.	0.8	5
185	Investigation of the interaction between step voltage regulators and large-scale photovoltaic systems regarding voltage regulation and unbalance. IET Renewable Power Generation, 2016, 10, 299-309.	3.1	44
186	Harmonic impact of high penetration photovoltaic system on unbalanced distribution networks – learning from an urban photovoltaic network. IET Renewable Power Generation, 2016, 10, 485-494.	3.1	73
187	Impact of PV penetration level on the capacity value of South Australian wind farms. Renewable Energy, 2016, 85, 1135-1142.	8.9	13
188	Demand Response Application by Strategic Wind Power Producers. IEEE Transactions on Power Systems, 2016, 31, 1227-1237.	6.5	26
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